

Department of Agricultural Engineering

RK[PG] College, Shamli -247776

Course Outcome

1. Farm Machinery and Power [AG-306]

The syllabus of this course has been designed to acquaint the students with existing status of farm power and machinery in India, recent developments in it, functioning of I.C. Engines and its different structures. This course enables the students to familiarize with primary and secondary implements for hill agriculture and other implements of agricultural use. Ultimately students get the ability to develop and operate farm machineries and other implements specific to agricultural use.

2. Renewable Energy and Green Technology [AG-406]

Energy has been an important component to meet day to day need of human beings. The degree of civilization is measured by the energy utilization for human advancements or needs. Energy sources which are continuously and freely produced in the nature and are not exhaustible are known as the renewable sources of energy. E.g: solar energy, biomass and wood energy, geo-thermal energy, wind energy, tidal and ocean energy. These energy sources are that they don't harm the environment through factors such as realizing greenhouse gases into the atmosphere. The importance of hands-on energy – saving activities plays a key role in how students learn about efficiency and can have a positive impact on their thoughts and behaviors around conservation in future.

3. Protected Cultivation and Secondary Agriculture [AG-505]

Protected cultivation is a process of growing crops in a controlled environment. It is achieved by providing favorable growth conditions to the plant. Secondary Agriculture is defined as a production activity and devised a strategy that includes sustainability of production, Monetization of farmers produce, Straightening of extension service, and recognizing agriculture as an enterprise.

Open Elective

System Simulation and Agro-Advisory [AGE-64]

Crop simulation models use quantitative description of Eco physiological processes to predict plant growth and development as influenced by environment conditions and crop management, which are specified for the models as input data.

RAWA and AIA

The objectives are to provide an opportunity to the students to understand the rural setting in relation to agriculture and allied activities, to get familiar with socio-economic conditions and problems of the farmers. to impart diagnostic and remedial knowledge, to develop communication skills, to develop confidence and competence to solve agricultural problems.